

Cooperation with African Countries.  
POLISH, per, Polish Maritime News, Vol IX,  
No 99, 1966, p 19.  
\*CFSTI TT 68-50014/1

Sci/Ear Sci & Oceanog  
May 68

Poland's Share in International Fisheries Research.  
POLISH, per, Polish Maritime News, Vol 10, No  
104, 1967, pp 19-20.  
\*CFSTI TT 67-56124/50

Sci-Earth Sci & Oceanography  
Dec 67

Scholars from the U.A.R.  
POLISH, per, E. Polish Maritime News, Vol X,  
No 106, 1967, p 20.  
\*CFSTI TT 68-50014/12

Sci/Mar Sci & Oceanog  
May 68

Methods for Using Electronic Computers to Establish the Main Design Criteria for Optimum Ships. Medium-size Tankers (15,000 - 25,000 Tons D.W.). by J. Igielak and L. Nowakowski. RUSSIAN, per. Polish Maritime Inst. No 16, 1964. NLL 9022.065 (2112 (1))

Sci-Engr  
Nov 67

345,213

POLISH MEDICAL JOURNAL, 1962, VOL. 1, NO. 1,  
P. 1-218. 1962, iv. PL-480 HEW.  
Order from OTS \$2.25 62-11066/1

DESCRIPTORS: Poland, \*Medicine, Pathology,  
\*Hyaluronate lyase, Blood vessels, \*Thyroid gland,  
Antigen-antibody reactions, \*Amino acids, Paper  
chromatography, \*Diabetes, \*Transaminases, \*Addic-  
tion, \*Vasodilative agents, Excretion, Epinephrine,  
\*Hemolysis, Urine, \*Aldehyde-lyases, Blood circula-  
tion, \*Hepatitis, Respiration, Pneumoconiosis,  
Isoniazid, Tuberculosis, Labeled substances, \*Corti-  
costeroid agents, Excision, \*Stomach, Surgery, Bone,  
\*Equine encephalomyelitis virus, Muscles, Diet,  
\*Burns, Children, Histological techniques, Tolerances  
(Physiology), \*Neuromuscular transmission, \*Metrazol,  
Necrosis, \*Decompression sickness, Diagnosis,  
\*Tumors, Psychoses.

(Biological Sciences--Pathology, TT, v. 10, no. 4)  
(over)

62-11066/1

- I. PL-480-HEW  
(62-11066/1)
- II. National Science  
Foundation,  
Washington, D. C.

Office of Technical Services

**POLISH MEDICAL JOURNAL, 1963, VOL. 2, NO. 1,**  
**P. 1-120, 1963, 1v. 224ords PL-480 HEW**  
**Order from OTS \$1.25**

63-11409/1

**DESCRIPTORS:** Poland, \*Medicine, Pathology,  
 \*Neoplasms, \*Blood serum, \*Infants, \*Electro-  
 cardiography, Diseases, \*Tumors, \*Arthritis, \*Sex  
 glands, Blood chemistry, \*Lipoproteins, \*Trans-  
 actions, \*Hepatic, Lipids, Semiconductors, \*Micro-  
 tomes, \*Antigens and antibodies, Tumors, Cytocem-  
 istry, \*Nuclei (Biology), \*Cancer, Stomach, Liver,  
 Medical equipment, \*Oxygen consumption, \*Silicosis,  
 Respirators, \*Prosthetics, Arteries, \*Globulins,  
 \*Cardiac muscle, Hypoxia, \*Cerebrospinal fluid,  
 \*Bioelectronics, \*Nephritis, \*Muscular necrosis.

**Contents:**

The activity of blood serum gamma-glutamyl trans-  
 (Biological Sciences--Pathology. TT, v. 10, no. 9) (over)

63-11409/1

1. Title: Chrysoidine  
hepatoma
2. Title: Guerin rat  
carcinoma
3. Title: Klinefelter's  
syndrome
1. PL-480 HEW (63-11409/1)
- II. National Science Foundation  
Washington, D. C.

Office of Technical Services

Polish Medical Journal, Quarterly, Est 250  
English pages per year.

\*PL-480  
OTS 63-11409

Sci

Jan 63

Polish Medical Journal, Quarterly, 1964x, 250 pp.

\*OTS 64-11402/1/2/3/4

PL-920

Sci  
Jan 64



Polish Medical Journal, Est 500 pp.

<sup>0</sup>  
\*ZTS 62-11066  
FL-480

Mar 62

Polish Medical Journal, 1,000 p.  
POLISH, rpt. 1966.  
\*CFSTI TT 66-57007

EE-Poland  
Sci/BQII  
Mar 66

National Economic Plan for 1961, 4 pp.  
UNCLASSIFIED

POLISH, per, Polish News Bulletin, No 276-60,  
26 November 1960, Encl to Desp No 251, AmEmbassy,  
Warsaw, 29 November 1960.

Dept of State  
4319582

EE - Poland  
Econ

136,813

The Future of the Oil Industry, by Khristo  
Dimitrov, 22 pp.

BULGARIAN, per, Political and Scientific  
Knowledge Series, No 12, 1960.

ACSI 1-1689-A  
ID 2203222

EBur - Bulgaria  
Room  
22 Oct 62

215,353

CHOVIN, P. and TRUFFERT, L. Distribution and  
significance of carbonic oxides with regard to atmosphere  
pollution.

Pollution atmosph. (39):148-55 (1969)  
(GB 412/T450/MRS/69)

Substitution Reactions of Polymers,  
Pt. 4, by Eiichi Takamoto, 37p.  
JAPANESE, per, Polymer Reviews, Vol 13,  
n.d..  
RIS 61124

333, 855

Sci  
Aug 67

Kovacs, A. J.  
ISOTHERMAL CONTRACTION OF THE VOLUME  
OF AMORPHOUS POLYMERS. [1961] 26p. (8 figs.  
omitted) 27 refs.  
Order from SLA m\$2.70, ph\$4.80 61-10664

Trans. of Journal of Polymer Science (U. S.) 1958,  
v. 30, p. 131-147.

Observations on the atactic vinyl polymers are de-  
scribed and a connection is established between the  
kinetic parameters which govern the isothermal con-  
traction of the glass volume and the rheologic  
parameters.

(Chemistry--Organic, TT, v. 5, no. 12)

61-10664

1. Polymers--Thermal  
properties
2. Vinyl polymers--Thermal  
properties
1. Kovacs, A. J.

148596

Office of Technical Services

Learning of the Weather through Electronics,  
by Hsiao Yong.  
CHINESE, par. Popular Science, No 9, Sep 1965.  
ONI 2430  
Dept of Navy

Sci/Elec and Elec Engr  
Sep 67

340.502



Polish Shipbuilding Industry, 5 pp. UNCLASSIFIED

FORNACON, per, Ports and Ships, Oct-Dec 1959.  
Encl to Sec No IR-73-60, to HQ, Rio de Janeiro,  
28 Apr 1960.

Port/ONI 5073014

RI - Poland

FCC

May 60

118, 300

DC

22836

20 Feb 69SF

Possibility of Using Ultrasonic Flow Meters for  
Coal Slurry by V.A.Voronov,V.N.Kondo,

Russian, booklet (no ~~for~~ source identification-

~~my~~

Special Type "B":Translator's draft plus one

T.D. 28 Feb 69 a.m.

IP- do not mutilate

Abba Eban Discusses Israel's Foreign Policy, by  
Yitzhak Livni, Yosef Eshkol, 10 pp.  
ENGLISH, per. Post, Jerusalem, 27 June 1969,  
pp 4-5.  
JPRS 48503

NE-Israel  
Pol  
Aug 69

388,216

**Winkler, E.**

**Potato Cultivation in Tyrol. Part II.  
Photosynthetic Efficiency and Respiration in  
Different Potato Varieties.  
POTATO RESEARCH, Vol 14, pp 1-18, 1971  
NTC-72-14898-02D**

**Jan 73**

Charpy Impact Tests on Sintered Iron, by H. Kuroki,  
Y. Tokunaga.

JAPANESE, per, Powder and Powder Metallurgy,  
Vol 16, No 6, 1969, pp 259-265.

HB 8174

Sci/Mat  
Nov 70

Abnormal Brittleness of High-Density  
Sintered Iron, by H. Kuroki and Y. Tokunaga,  
JAPANESE, per. Powder and Powder Metallurgy,  
Vol 16, No 6, 1969, pp 266-273.  
HB 8175

Sci/Mat  
Sep 70

Production and Characteristics of Powders  
from Wire Explosion, Report No. 1, by  
K. Kase and H. Ito,  
JAPANESE, per. Powder and Powder Metallurgy,  
Vol 16, No 7, 1969, pp 338-344.  
HB 8220

Effect of the Combustion of Iron on the Green  
Decoloration of Iron Powder, by F. Satoh,  
and T. Tajima,  
JAPANESE, per. Powder & Metallurgy,  
vol 16, No 7, 1970, pp 305-309.  
HB 8289



Some Properties of Sintered Chromium Steel,  
by T. Kawakita and S. Kobayashi,  
JAPANESE, per. Powder and Powder Metallurgy,  
Vol 16, No 7, 1970, pp 315-320.  
HB 8241

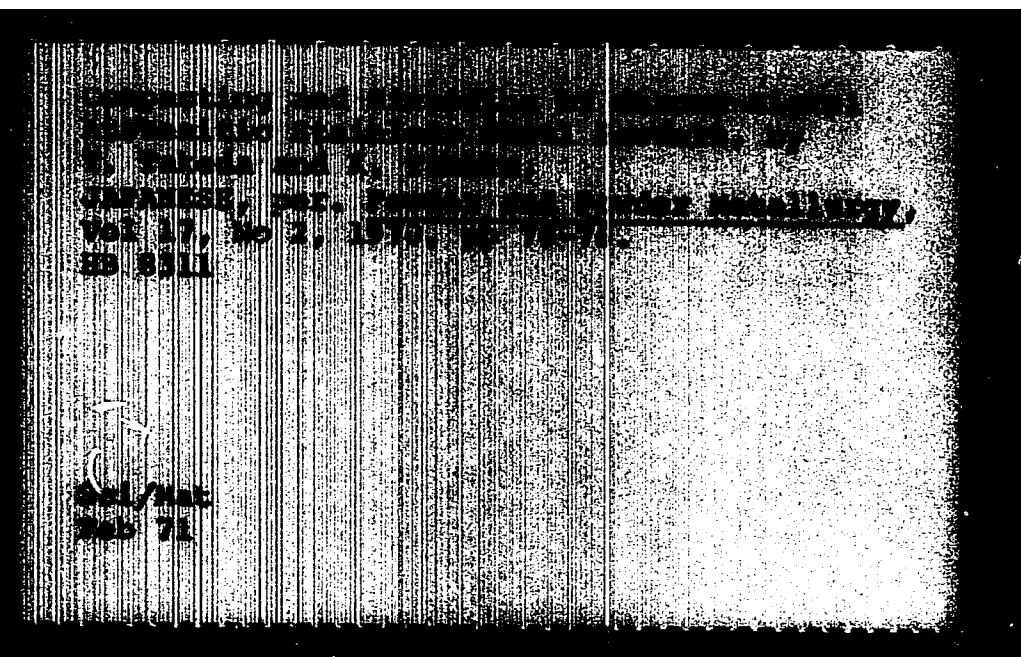
Jun 71

Effect of Surface Finishing on the Extent of  
Cracking in Cemented Carbides, by M. Yokohama,  
and T. Sadahiro,  
JAPANESE, per. Powder and Powder Metallurgy,  
Vol 16, No 8, 1970, pp 313-350.  
HB 8226

Jun 71

On the Factors Governing the Reaction of [in Powder  
Metallurgy], by T. Saito, et al., Journal of  
Metallurgy, Vol. 16,  
No. 8, 1970, pp 371-376.  
HB 8000

June 71



Effect of Alloying Elements on Properties of  
Sintered Chromium Oxide, J. Appl. Ceram. Sci. 1A, 481  
S. Katsyura,  
JAPANESE, per. Powder Metallurgy, Vol 17,  
No 3, Sept., 1970, pp. 15-20,  
HB 8419

June 71

Manufacture of Pure Titanium Chloride Powder, Abstract  
No. 1, by Y. Sakaguchi,  
JAPANESE, in: Chemical Abstracts, Vol. 17,  
No. 4, 1970, pp. 133-134.  
HB 8420

June 71

High-Pressure Impact Fracture of Titanium-  
Carbide Cermets, by K. Mizutani,  
JAPANESE, per. Powder and Powder Metallurgy,  
Vol 17, No 4, 1970, pp 175-178.  
HB 8421

Jun 71

Carburization of WC-Co Carbides from a Graphite  
Die During Hot Pressing, H. Kubota,  
JAPANESE, per. Powder and Powder Metallurgy,  
Vol 18, No 3, 1971, pp 89-94.  
HB 8714

Mar 72



T. Kawakita

Strength and Fracture of Ultra-High Density Sintered Steel.

JAPANESE, per, Powder and Powder Metallurgy, Vol 18, No 8, 1971, pp 331-337;

HB 8741

Nov 71

S. OKAMURA

Liquidus Surfaces of Ternary Nickel-Boron-Silicon  
Alloys Serving as Diffusion Barriers

JAPANESE JOURNAL OF METALLURGY

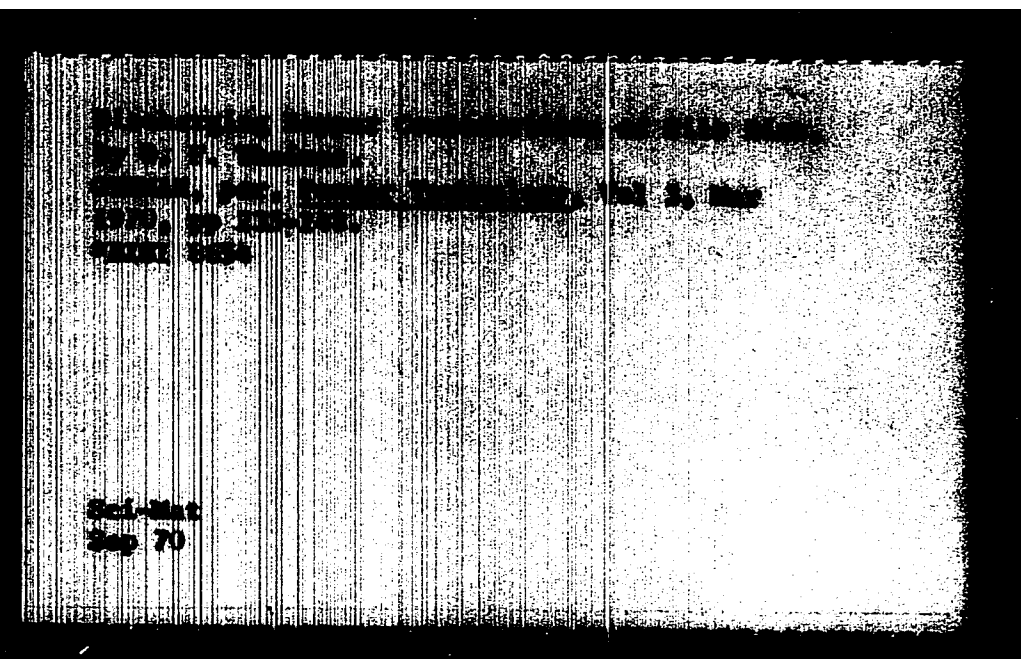
Vol. 18, No. 4, 1972, pp. 316-320

BB 8336

Nov 72

Co-Ordination of Randomly Packed Spheres,  
Application to Binary Mixtures of Spheres,  
by R. Ben Aim and P. Le Goff  
CZECH, per, Powder Technol, Vol. 2, Sept. 1968,  
pp. 1-12.  
CFA Trans. 2773  
ERA

Feb 1971



Speeches at NSC Council Open House Meeting on  
10/20/72 by Alvin Karpis, Jr.  
G22831, rpt. From: HALL, 1/20/72, 30 Oct 72.  
JPHS 57568

Nov 72

Redong Simun, or Redong, Fifth  
Anniversary, 10 Nov  
KORAN, rpt., Pyongyang Radio, 2300 GMT,  
1 Nov 72  
JPRS 57530

Nov 72

Preliminary Data Provided from 1970  
Census, C. pp.  
GOVERNMENT USE ONLY  
CZECH, REP. Estimating Results of the  
Census of the 2-Story Buildings and  
Apartment Houses of 1970 in  
PROBODITZKA, Prague, Vol. 1, Sep 71,  
pp. 1-21.  
JPRS/L 4068

Jan 72

Reply to the Investigation by the International  
Institute of Welding of Service Brittle Fractures.  
Brittle Fracture of a Hatch Plate of a Cargo  
Ship, 5 pp.

FRENCH, rpt. Prepared by the Committee No. IX:  
"Behavior of Metals from the Viewpoint of  
Welding", International Institute of Welding,  
Paris (18<sup>e</sup>), France. 9665243

NRL Tr 856

204, 671

Sci

Jul 62



Present State and Problems of US Maneuvering Against  
Japan Through US-Japan Science Committee, 9 pp.

OFFICIAL USE ONLY

JAPANESE, np, Akahata, 1-4 Nov 1962, Encl 1 to  
Desp A-712, AmEmbassy, Tokyo, 27 Nov 1962.

Dept of State

FE - Japan

Pol

Jan 63

M170712

220,637

GW

ALL-WEATHER FLIGHT CONTROL SYSTEM FOR ROTARY  
WING AND V/STOL AIRCRAFTS

PROS- INFORMATION 28 MAY 1971

PSIC-HI-25-1431 72

The Place of the Federal Army in the State,  
Federal Ministry of National Defense, 75 pp.  
GERMAN, rpt, Press and Information Service, 1969.  
DIA LH 626-70

WE/M11  
Feb 71

Estimation of the Accuracy of Landing, by  
N. K. Yikshonravov, I. M. Iatsunskiy.  
RUSSIAN, bk, Principles of the Theory of Flight  
and Elements of Projections of Artificial Earth  
Satellites, 1967, pp 74-81.  
CIA X-6521

Sci-Aero  
Mar 68

347,521

Derivation of Final Formulas to Determine Satel-  
lite Lifetime, by M. K. Tikhonravov,  
I. M. Yatsunskiy.  
RUSSIAN, bk, Principles of Flight Theory and Pro-  
jection Elements of Satellites, 1967, pp 167-175.  
CIA X-6554

Sci-Prop & Fuels  
Mar 68

347,534

Central Research and Design Institute of Town  
Planning, State Committee of Civil Engineering  
and Architectural Under Gosstroy USSR.

RUSSIAN, mono, Principles of Town Planning in  
the Soviet Union, Vol 1, 1966.

\*CPSTI TT 70-57212

USSR/Soc  
Sept 70

Radiobiological Aspects of Radiation Safety in  
Space Flights, by Yu. G. Grigoryev, 8 pp.  
RUSSIAN, ~~1967~~ Problems of Aviat & Space Medicine,  
1967, pp 207-211.  
AEC/ONNL-Tr-2296-70

Sci/Nucl  
Jul 70

Colliding Beams of High Energy Protons In An  
Accelerator With Non-Linear Focusing, by  
Yu. P. Orlov, 36 pp.

RUSSIAN, per, Problems of Elementary Particle  
Physics, Armenian, 1962.

ABC-NP-Tr-1062

Sci-Phys  
Jan 64

248,327



Influence of Physical Exercises on the Restoration of Motor Functions in Middle-Aged and Elderly Persons Under Polyclinic Conditions,  
by A. N. Trankvillitati,  
RUSSIAN, per, Problems of Gerontology and Geriatrics, 1962, pp 229-233.  
REF-NIH-11-11-66

Sci-B&M  
Jan 67

316,919

Luminescence of the Peripheral Blood Erythro-  
cytes under the Conditions of Vital Fluores-  
cent Staining with Acridine Orange, by

V. A. Kolpakov

RUSSIAN, per, Problems of Hematology and Blood  
Transfusion, Vol 10, 1965, pp 39-42.

Dept of Navy NHC Trans No-2771

Sci-B&M

Feb 69

369,629

Rock Breaking With Jetstream Under Pressure Up to  
2,000 Atm, by A. N. Zelenin.

RUSSIAN, per, Problems of Mining, 1958, pp 112-122.

Dept of Interior  
TN7, E57, No 2 306

*Sci - Eng*  
*Oct 66*

*128,407*

Effect of Lactic Acid Bacteria on B. Botulinus on  
Toxigenesis in Lactic Acid soy Food Products, by.  
Ye V. Giotova, S. V. Chebotareva, 11 pp.

RUSSIAN, per Problems of Nutrition (USSR), Vol III,  
1938, pp 132-139.

NIH Tr 4-57

Sci - Med

May 58

64,122

The Contemporary Situation in Argentina and the  
Activities of the Communist Party, by Gen. Victorio  
Collevilla, 6 pp. OFFICIAL USE ONLY

RUSSIAN, per, Problems of Peace and Socialism,  
Feb 1960, Incl to Resp 433, Ambassador, Moscow,  
8 Feb 1960.

Dept of State.  
4416839

LA - Argentina  
Pol  
Mar 60

111,247

21145

28 Apr 69

Guarding the Existing Orders, by  
Yu. A. Arbatov.

RUSSIAN, per, Problems of Philosophy, No 2,  
26 Apr 1957, pp 204-206.

Chromium Carbide as a Basis for Hard Metals  
Having Special Properties, by V. V. Grigor'eva,  
V. M. Klizhenko, T. Ye. Kosolapova.

RUSSIAN, in, Problems of Powder Metallurgy and  
Strength of Materials, 1958, pp 79-89.

HB 4669

Sci - Min/Met

Dec 59

104,352

Problems in the Theory of Chromium Plating.

RUSSIAN, Collection of papers from a conference  
sponsored by the Lithuanian Academy of Science, 1959,  
194 pp.

\*PL 480  
Smithsonian

Jun 61



Some Problems in the Theory of the Capture of Fish by  
Gill Nets, by N. N. Andreyev, 29 pp.

RUSSIAN, per, Proc All-Union Sci Res Inst Sea Fish  
Oceanogr, Vol III, 1955, pp 109-127.

FWS

Sci

Jan 64

Rice Blast Bacteria Types in Kyushu, by  
Okatome Zenjiro.  
JAPANESE, per, Proc Assoc Pl. Prot Kyushu,  
Vol 11, 1965, pp 23-26.  
ACSI J-6265  
FSTC-HT-23-858-68

Sci-B&M  
Apr 69

379,533

Problems of Selecting Scientist-Instruments, by  
P. I. Yegorov (Dneprod), G. P. Mikhaylovsky,  
M. M. Korotayev, T. V. Samvelianaya, N. N.  
Bagdasaryan, E. N. Kravtsov, I. A. Malov, T. A.  
Petrova, I. E. Yakovleva, 4 pp.  
RUSSIAN, paper, Problems of Selecting Scientist-  
Instruments.  
CIA 1-40001

307,538

Sci - Biol & Med  
Jan 1967

Studies on the Gas Metabolism of Crops. 5. The CO<sub>2</sub>  
Gas Analyser Utilizing Infra-Red Absorption, and  
Some Sample Measurements, by Y. Togari, et al.  
JAPANESE, per, Proceedings of the Crop Science  
Society, Vol XXIV, No 4, 1956, pp 254-259.  
CSIRO/No 6699

Sci - Agri  
Jul 64

262,549

Effect of Rain During Ripening on the Quality  
of Wheat Grain and its Flour. 1. Changes in  
Some Constituent and Enzymes of Grain by Moist  
Treatment of Ears, by T. Yasunaga, et al.  
JAPANESE, Per, Proc. Crop Sci. Soc. Japan,  
Vol 32, No 2, 1963, pp 152-156.  
JAND

sci/ agri  
aug 69

389,659

Studies in the Photosynthesis of Sugar Beet Plants, by  
K. Ito.

JAPANESE, per, Proc Crop Sci Soc Japan, Vol 31,  
No 4, 1965, pp 98-482

NZDLA

Sci -

Sep 57

140,165

Mechanics and Pathomorphology of the CNS In-  
juries in Boxing, by F. Unterharnscheidt.  
GERMAN, rpt, Proc 8th Int Congr Neurol, Suppl,  
München, Verl Wein Med Akad, 1965, pp 119-120.  
HEW NIH  
6-33-69

Sci-B&M  
Sept 69

390,281

Extraction of Negative Ions from a Striated  
Oxygen Discharge, by H. Drost, U. Timm.  
GERMAN, rpt, Proceedings of the Fifth  
International Conference on Ionization  
Phenomena in Gases, Munich, 28 Aug-1 Sept  
1961, pp 582-592.  
Dept of Navy/NIC 2856

Sci-Phys  
Aug 69

388,697



Extraterrestrial Civilizations, by  
G. M. Tovmasyan, Ed..  
RUSSIAN, rpt, Proceedings of the First  
All-Union Conference on Extraterrestrial  
Civilizations and Interstellar Communications,  
held at Burezh, Armenian SSR, 1964,  
99 pp.  
Science News, Vol 92, No 4, 22 July 1967

336, 196

Sci  
Aug 67

Theory of Plastic deformation and Secondary Stresses in  
the Material caused by them, by H. Hencky.  
DUTCH, rpt, Proc 1st Congr Applied mechanics, 1st delft,  
1924, pp 17-312  
CRL/T. 2257

Sci -  
Sep 67

140,246

Coloration of Corundum and Methods for Its Study,  
by E. G. Valiashko, S. V. Grum-Grzhimailo.

RUSSIAN, per, Proceedings of the Institute of  
Crystallography AS. USSR, ~~Xi~~ No 8, 1953,  
pp 111-128.

\*Navy/APL J321

Sci - Phys  
Feb 64

Electronmicroscopic Study of a Photoemissive  
Surface, by Yosimaro Moriya.  
JAPANESE, per, Proceedings of Institute of Electrical  
Engineers, Vol L.VII, 1937.  
ERDL, Ft Belvoir T-1692  
(AD 417367)

Sci - Engr  
Sep 64

265,050

Gravimetric Map of Pape's (Free Air) Anomalies in  
a Mountainous Region Compiled by Hypsographic  
Method, by Wladyslaw Chojnicki.

POLISH  
EARTH, per, Proceedings of the Institute of  
Geodesy and Cartography, Vol VI, No 2(16), 1960.

ACIC

Sci - ~~Earth~~ Earth Sci & Astron  
Nov 63  
FOR OFFICIAL USE ONLY WITHIN  
THE DEPARTMENT OF DEFENSE

241,540

Self Dissusion in Bulk and At Grain Boundaries  
for High Purity Gamma Iron 99.99%, by  
P. Lacombe, P. Guiraldenq.  
FRENCH, per, Proceedings of the Internatl Atomic  
Energy Agency. Conference on the Use of Radio-  
isotopes in Physical Sciences and Industry,  
Copenhagen, 6-17 Sept 1960.  
NTC 69-11267-2011

Sci-Phys  
July 69

387,181

Application of Statistical Methods in the  
Manufacturing of Sheet Glass, by

E. Plumat.

GERMAN, rpt, Proceedings of the Internatl  
Congr on Glass (Non5), Munich, 1959.

NTC 69-11266-11B

Sci-Mat

July 69

387,095

Strength and Fracture Process in the  
Bending Test, by H. Schardin.  
GERMAN, rpt, Proceedings of the Internatl  
Congr on Glass (No 5), Munich, 1959.  
NTC 69-11283-11B

Sci-Mat  
July 69

387,096



The Methods of Recognition of Stones and  
Cords in Glass, by M. A. Bezborodov.  
GERMAN, rpt, Proceedings of the Internatl  
Congr on Glass (No 5), Munich, 1959.  
NTC 69-11284-11B

Sci-Mat  
July 69

387,097

Utilization of an Immersion Viscosimeter  
for Practical Determination of Temperature  
in Molten Glass, by G. Geeraert.

GERMAN, rpt, Proceedings of the Internatl  
Congr on Glass (No 5), Munich, 1959.

NTC 69-11285-11B

Sci-Mat  
July 69

387,098

The Molar Absorption of Different Ions in Glasses,  
by W. Geffcken.

GERMAN, rpt, Proceedings of the Internatl Congr  
on Glass (No 7), Brussels, June-July 1965,  
pp 12.1-12.18.

NTC 69-11419-11B

Sci-Mat  
July 69

387,103

Considerations on the Problem of Persisting Extra-Pyramidal Motor Side Effects after Short Term Administration of Psychotropic Drugs, by M. L. Allert, GERMAN, Proc Intern Congr Neuropsychopharm, 5th, Washington, 1966. pp 595-599 (1967).  
ATS-1542-GJ

Paris 1972